



Serial Number: 10/629,857
OA dated 06/27/06
Amdt. dated 9/27/06

IN THE CLAIMS:

Claim 1 (Currently amended): A film for metallization, composed of a polypropylene-based resin composition for metallized films, comprising:

(A) 100 parts by weight of a propylene random copolymer produced in the presence of a metallocene catalyst, which has the properties (a-1) to (a-6):

(a-1) propylene unit present at 88 to 99.5% by mol, and ethylene and/or butene structural unit present at 0.5 to 12% by mol,

(a-2) melt flow rate (MFR_A) of 1 to 30g/10 minutes,

(a-3) polydispersity index (PI), determined by the melt viscoelasticity analysis, of 2.4 to 4,

(a-4) solubles contained at 20°C or lower, determined by cross fractionation chromatography (CFC), at 1.2% by weight or less, and the solubles having a weight-average molecular weight of 0.1×10^4 to 6.0×10^4 ,

(a-5) solubles contained at 40°C or lower, determined by cross fractionation chromatography (CFC), at 4.0% by weight or less, and the solubles having a weight-average molecular weight of 0.1×10^4 to 8.0×10^4 , and

(a-6) melting point (T_p , determined by differential scanning calorimetry (DSC), of 115 to 150°C.

(B) 0.01 to 6 parts by weight of a polyethylene resin having a density of 0.945 to 0.980g/cm³, melt index (MI_B) of 1 to 1000g/10 minutes, and ratio of MI_B to MFR_A , i.e., (MI_B/MFR_A) ratio, of 0.7 to 1000,

(C) 0.01 to 0.7 parts by weight of an antiblocking agent having an average particle size of 1.0 to 5.0 μ m, pore volume of 0.45mL/g to 1.7 mL/g, and wear rate of 100mg or less,

(D) 0.01 to 0.5 parts by weight of an antioxidant having a molecular weight of 500 or more, and

(E) 0.005 to 0.5 parts by weight of a hydrotalcite-based compound,

wherein the film satisfies the following relationship:

$$1165 < 17 \times [\text{HST}] - [\text{YM}] < 1670 \quad (\text{a})$$

(where [HST] is a heat seal temperature (unit: °C) at which the load is 3N, and [YM] is a tensile modulus (unit: MPa) of the film).

Claim 2 (canceled):

Claim 3 (Currently amended): The film for metallization ~~polypropylene-based resin composition~~ according to Claim 1 for metallized films, wherein said antioxidant (D) is a phenol- and/or phosphorus-based one.

Claim 4 (Canceled):

Claim 5 (Canceled):

Claim 6 (Cancelled):

Claim 7 (Currently amended): A metallized film comprising the film according to
Claim ~~[[5]]~~ 1 for metallization, metallized with a metal and/or its oxide.

Claim 8 (Canceled):

Claim 9 (Canceled):

Claim 10 (Canceled):

Claim 11 (Canceled):

Claim 12 (Canceled):